



State of Utah

Department of Natural Resources

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Executive Director

Division of Oil, Gas & Mining

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Governor

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Lieutenant Governor

March 2, 2006

CERTIFIED RETURN RECEIPT
7002 0510 0003 8603 2304

Bruce Mitchell
Sawtooth Stone Supply
P.O. Box 49
Oakley, Idaho 83346

Subject: Second Review of Notice of Intention to Commence Large Mining Operations,
Sawtooth Stone Supply, LLC, Sawtooth Stone Quarry #1, M/003/067, Box Elder
County, Utah

Dear Mr. Mitchell:

The Division has completed a review of your response to the Division's initial technical review sent to you on October 17, 2005 for the Sawtooth Stone Quarry #1, located in Box Elder County, Utah. Your response was received November 25, 2005. After reviewing the information, the Division has the following comments which need to be addressed before tentative approval may be granted.

The comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion and address only those items requested in the attached technical review. Send replacement pages of the original notice **using redline and strikeout text** and indicate how these are to be incorporated into the current Notice. Remember, you'll be asked for two clean copies upon final approval.

If you have any questions in this regard please contact me or Lynn Kunzler, of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

Susan M. White
Mining Program Coordinator
Minerals Regulatory Program

SMW:LK:pb
Attachment: Review
P:\GROUPS\MINERALS\WP\M003-BoxElder\M0030067-SawtoothStone\final\01102006-2ndREV.doc

SECOND REVIEW OF NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

**Sawtooth Stone Supply
Sawtooth Stone Quarry #1**

**M/003/067
February 27, 2006**

R647-4-105 - Maps, Drawings & Photographs

105.3 Drawings or Cross Sections (slopes, roads, pads, etc.)

Map E should have a legend to explain the significance of the colors on the cross sections. (DJ)

The bench faces will be covered with dump material as the quarry operation progresses. All dumps within the site should be reclaimed to a slope no greater than 3:1. Please include a commitment in the plan to reduce dump slopes during reclamation. (DJ)

R647-4-106 - Operation Plan

106.6 Plan for protecting & redepositing soils

Soil stockpiles that will remain for more than a season should be seeded as a protection from erosion, until such time that they are respread for reclamation. The topsoil stockpile Seedmix contains quick-growing species that will provide the necessary protection. Please revise the plan to seed all soil stockpiles that will be left for more than one season. (LK)

R647-4-107 - Operation Practices

107.1 Public safety & welfare

The plan states Map E has been drawn to show a maximum development of four 15-foot benches totaling 60 feet of quarrying. Map E shows four benches of mining totaling ~195' of quarrying. The bench height varies from 30 foot to 70 feet. Please correct the text or the map for consistency. (DJ)

107.2 Drainages to minimize damage

Please plan to remove the material placed in the drainage to the south at the time of reclamation. Please include a line item in the surety calculation for this task. (DJ & LK)

107.5 Suitable soils removed & stored

Please refer to comments under R647-4-106.6. (LK)

R647-4-110 - Reclamation Plan

110.2 Roads, highwalls, slopes, drainages, pits, etc., reclaimed

The plan states Rule R647-111.7 allows a slope angle up to 45 degrees as shown on Map F. Map F shows reclamation treatments, nothing is shown regarding slopes. Please change this map reference. (DJ)

The plan states that the area to be excluded is shown in yellow on Map F. Map F shows areas to be reclaimed in yellow. Please correct. (DJ)

The writer's states that his understanding that slopes exceeding 45 degrees can be left as long as the overall slope does not exceed 45 degrees is correct. This applies as long as the height of these interim highwall sections is not excessive and the material forming this highwall is stable. (DJ)

110.5 Revegetation planting program

Until the results of the November 1, 2005 soil samples are received and analyzed, the Division cannot make a final determination regarding soil amendments or fertilizers. Based on information currently available, it may be necessary to apply composted manure at a maximum rate of 10 ton/acre. This figure will be utilized for bonding calculations until other data suggest otherwise. (LK)

R647-4-111 - Reclamation Practices

111.7 Highwalls stabilized at 45 degrees or less

Refer to comments under section 110.2 above. (DJ)

111.12 Topsoil redistribution

The operator did not provide a response to the previous comment - 'Please provide more detail of how topsoil will be redistributed during reclamation, including average depth of replacement.' Please provide a response to this comment. (LK)

R647-4-112 - Variance

The operator has requested two variances for this operation (in addition to the previously approved soils variance).

Variance to Rule R647-4-110.2 Reclamation of Highwalls. The operator has requested to not reclaim the full extent of the last created highwall (bench). All other benches will be reclaimed. The operator has not provided sufficient detail to approve this variance at this time. Please describe the height and slope of the final highwall, provide rationale as to why the variance to leave it is warranted and provide a discussion of alternative methods or measures (specifically public safety and vegetation establishment) to be utilized to meet the requirements of the act (refer to R647-4-110.2 and ~107.1). (LK)

Second Review

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M/003/067

March 2, 2006

Variance to Rule R647-4-110.2 and R647-4-111.8 Reclamation of Roads. The operator has requested that certain roads, including the access road be left unreclaimed. Most of the roads were pre-existing (two-track) roads less than 10 feet wide. The Division will not require full reclamation of the pre-existing roads (however, if roads were widened to accommodate the mining operation, the additional width may require reclamation). For the portions of roads A and B that have been impacted by the operations, the Division will allow a 10-foot width to remain unreclaimed. With regards to the access road (road C), a portion of this road was re-aligned to avoid a seep area. The old section of this pre-existing road was reclaimed. Before the Division can grant the variance to leave the new section of road as constructed, we will need to evaluate the overall width. If the potential post-mining land use were realized, the new land use would justify leaving the road as constructed. In conclusion, partial reclamation of about 2000 feet of the access road may be required (the new section of road C). This will be evaluated during the next inspection of the site (expected to be in June of 2006). To support the requested variance, the Notice states that the landowner, Ila Nelson, requested that the roads be left to access her property after mining ceases. Please attach a copy of her request to your Notice. (LK)

R647-4-113 - Surety

The reclamation of 6400 linear feet of road in the surety has been calculated at a cost of \$0.20/lf because the road is located on gentle to moderate grades. Please differentiate between the portion of this road that can be reclaimed by simply ripping with a dozer and the areas that will require reclamation using a trackhoe. (DJ)

The escalation factor now being used by the Division is 1.2%